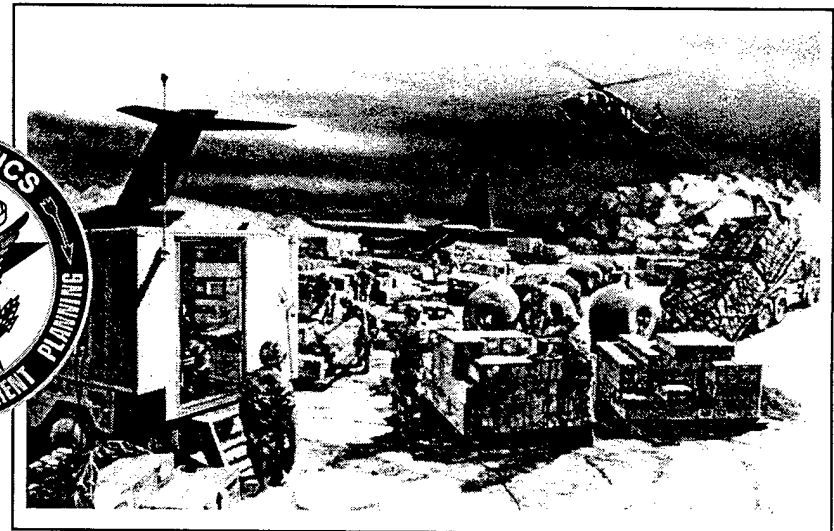
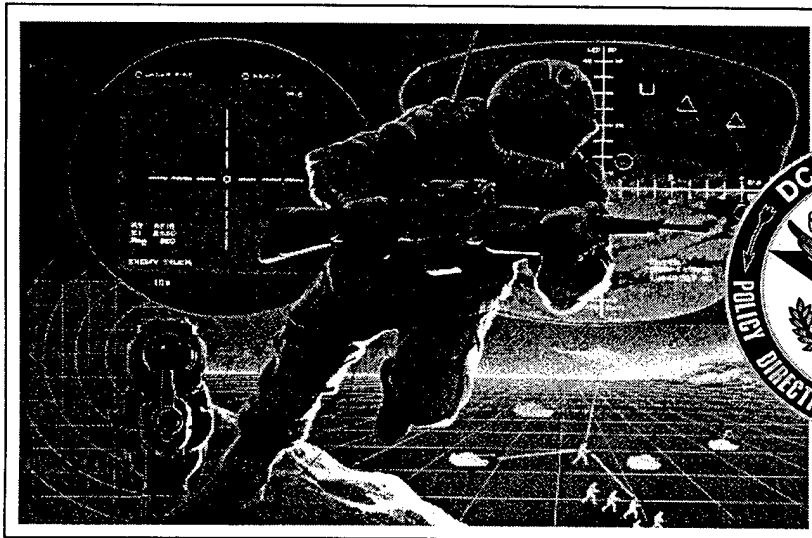


ARMY LOGISTICAL SUPPORT 2025



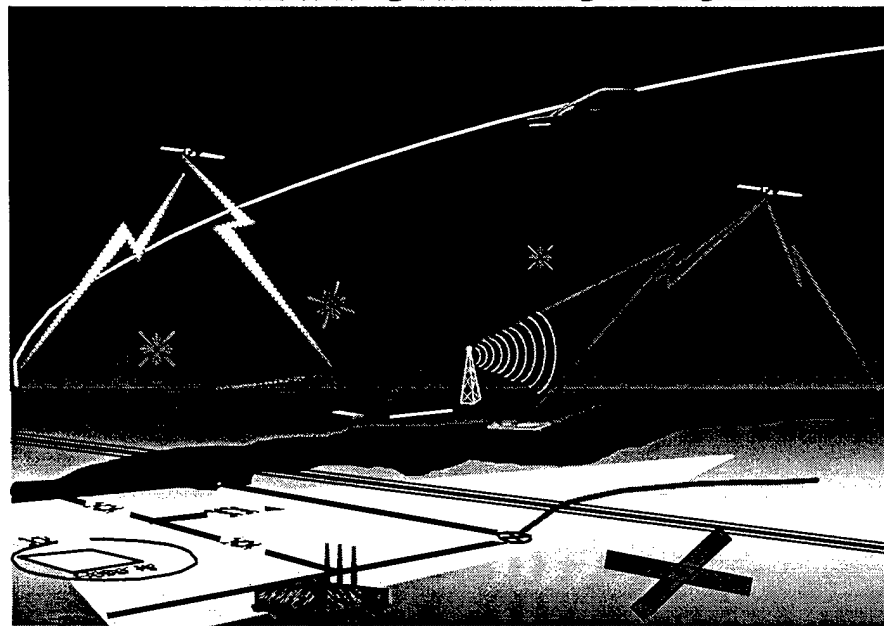
MG CHARLES C. CANNON
ADCSLOG





THE FUTURE 2025 CHALLENGES

THE INFORMATION AGE



MENTAL
AGILITY

PHYSICAL
AGILITY

Rapidly Developing Countries
Urbanization
Asymmetric Threat Growth

**ARE SHAPING
2025
CONCEPTS**

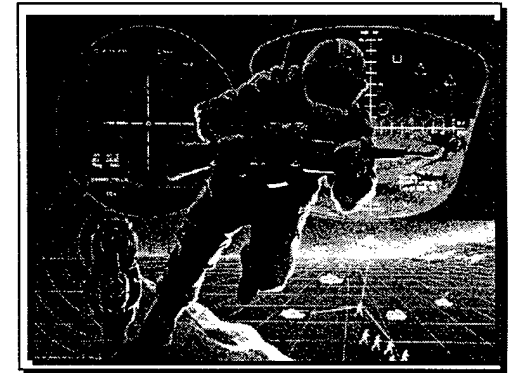
- * Global Maneuver Capability
- * Asymmetric Forces
- * Information Enables Precision Maneuver

- * Platforms Accelerate Speed
- * All Support to be positioned outside the "Killing Field" . . . But those Forces to Move, Observe, & Kill



THOUGHTS THAT WOULD REMAIN RELEVANT . . .

- **The US Army is Not a FEDEX or any Commercial Business . . .
While it can't be run like a Commercial Endeavor . . . We can
Learn & Apply some Business Practices**
- **Technology is a "Means or a Way" - - It is Not an "End".
We must keep identifying the "End"**
- **"War Never Repeats Itself"**
- **In a High Technology Army, "Tooth-to-Tail"
ratios may no longer be applicable**
- **Our Logistics Vision must be supportable by Industry**
- **We must continually rethink the role of Organic, Joint, & Industry
capabilities in satisfying our future requirements**
- **The future Force will be a combination of Army XXI legacy &
evolving AAN units**





SPEED WILL BE MORE CRITICAL

TODAY



Desert Strike

Moved the
3d Brigade
1st Cavalry Division
(A Heavy Force)
in 4 $\frac{1}{4}$ Days.



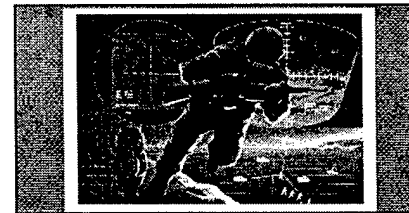
Desert Thunder

... Could have
closed Hvy Bde
in 96 Hours !

*The Difference Today
is Army Prepositioned
Stocks*

ARMY FORCES

By C+ 2 to 5



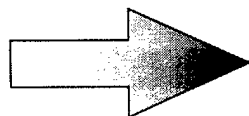
ARMY FORCES

By C+14

TOMMOROW



?



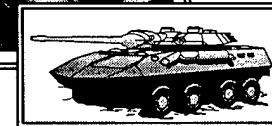
2025 MISSIONS WILL DEMAND GREATER RESPONSE TIMES

SUPPORTING SOLDIERS



2025 REALITIES

- By 2020, projected World's largest economies in order are: China, U.S., Japan, India, & Indonesia
- Economic boundaries between Nations blur
- Proliferation of WMD & Non-lethal WMD
- Peer competitors will employ Asymmetric Threat capabilities
- 85% of World Population Growth occurring in developing nations
- By 2020, 25% of U.S. population over 65 . . . # of Skilled / Quality workers will decline
- U.S. Strategy - Power Projection & Strategic Dominant Maneuver
- Coalition / Alliances more important . . . but different from today
- U.S. Information & Technology-based capabilities are vulnerable
- Mixture of AAN & Army XXI Forces
- Growth of:
 - U.S. Joint Integration of Forces
 - Civilianized / contracted "Log" Force
 - "Teaming / Matrix" organizations



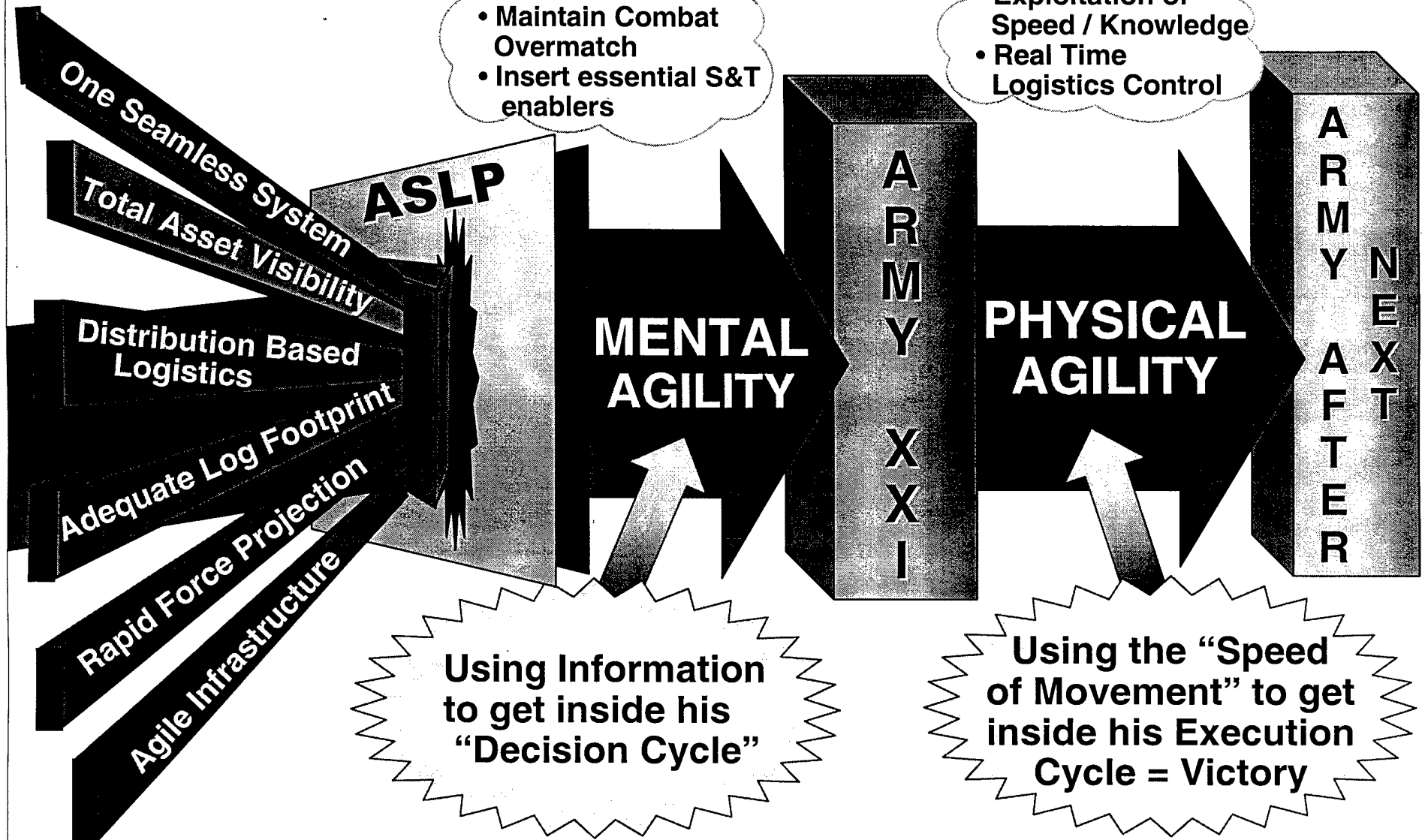
SUPPORTING SOLDIERS



RML ROADMAP TO 2025

- Info Dominance
- Maintain Combat Overmatch
- Insert essential S&T enablers

- Exploitation of Speed / Knowledge
- Real Time Logistics Control





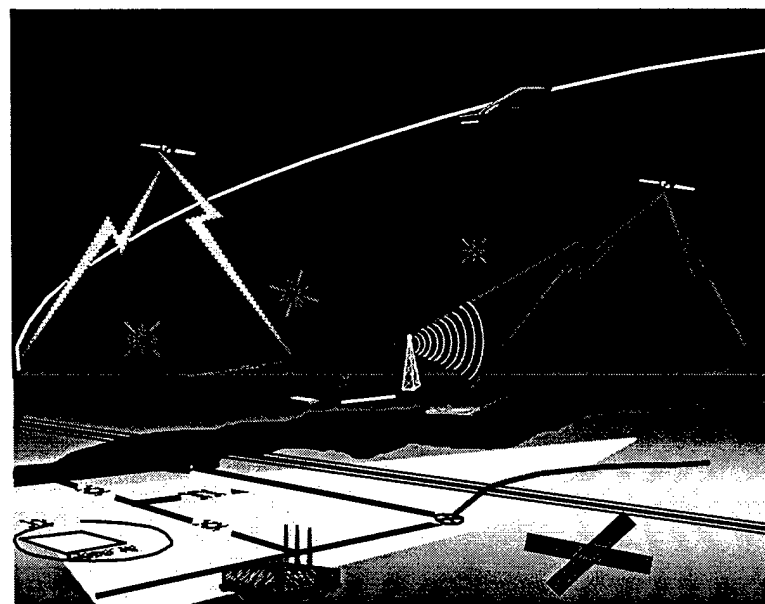
GLIMPSE OF THE FUTURE

Operational Characteristics of AAN (20XX) ... Force Projection Implications

1997 Leavenworth/TWG Findings:

- ✓ Mobility, characterized by Speed of Maneuver key to success
- ✓ Battlefield Knowledge enablers Speed of Maneuver
- ✓ To offset "Blue" Dominance, Asymmetric responses occur rapidly
- ✓ Mixture of Army XXI Forces & AAN Forces used
- ✓ Strategic Speed:
 - Moving AAN Forces within 48hrs anywhere in the world
 - Moving Army XXI Forces within two weeks anywhere in the world

THE INFORMATION AGE



This Means :

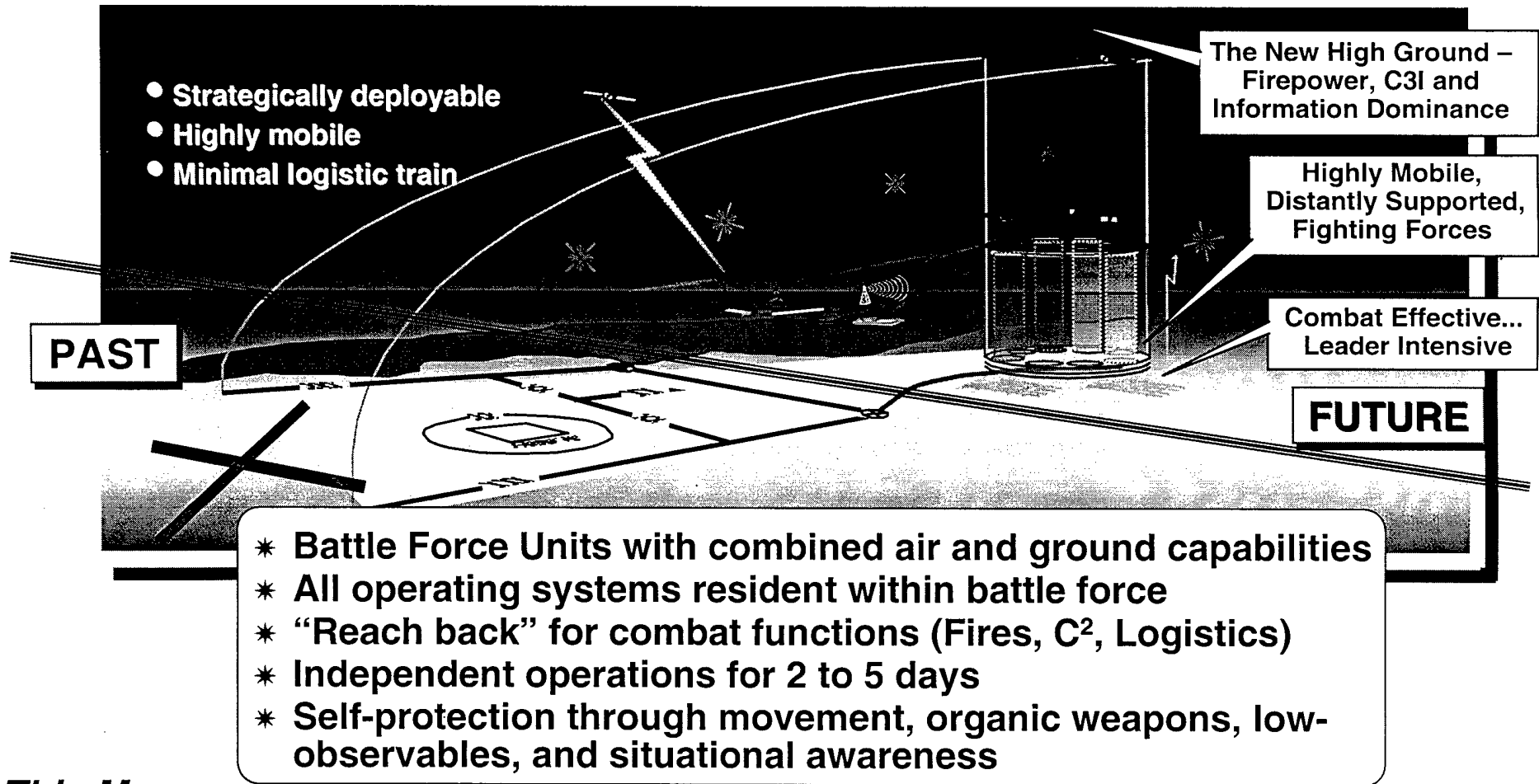
- Operational Forces require a "radically" streamlined Logistics Tail
- Strategic-Level Deployment requires new technologies & methods of projection (From Weeks to Days)



GLIMPSE OF THE FUTURE

Operational Characteristics of AAN (20XX)

... A Balanced Approach to Warfare



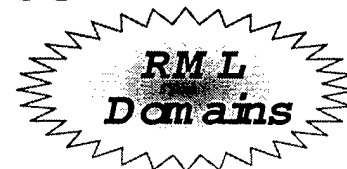
This Means:

Log Must Be Equally Mobile and Agile -- Predictive Not Reactive



THE REVOLUTION HAS BEGUN . . .

Doing Many Things. . . Some Examples



Technology Application and Acquisition Agility

- ♦ PLSM TS
- ♦ Embedded prognostics/
diagnostics
- ♦ TED-ANN
- ♦ GCSS-A
- ♦ CSSCS
- ♦ Batteries and
Alternative Power
- ♦ Life Cycle Cost Mgmt
- ♦ IMPAC Credit Card
- ♦ JCALS

Force Projection

- ♦ Fast Sealift
- ♦ C 17s
- ♦ Power Projection
Infrastructure
- ♦ Enhanced RSO & I
- ♦ Army Prepositioned
Stocks
- ♦ Army Strategic
Mobility Program
- ♦ TC AIM S II
- ♦ JTAV
- ♦ Joint Deployment
Training Center

Force Sustainment

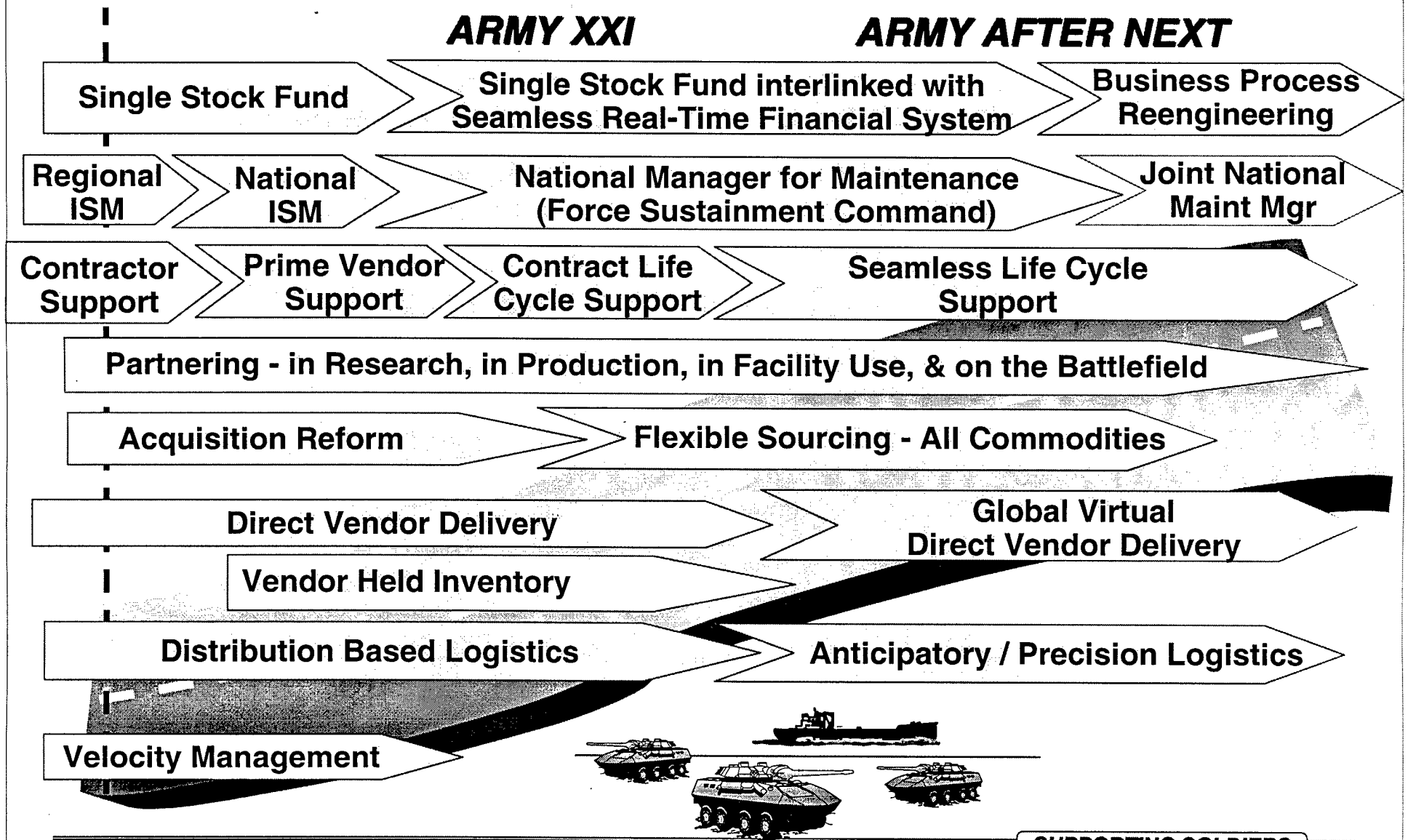
- ♦ Advanced Logistics
Program
- ♦ Battlefield
Distribution
- ♦ LOGCAP
- ♦ Fleet Management
- ♦ Interactive Electronic
Technical Manuals
- ♦ DIAL
- ♦ DVD/Prime Vendor-
Factory to Foxhole
- ♦ Velocity Management
- ♦ AWE Division XXI
Logistics Concepts



THE ROAD AHEAD TO AAN - Business Process Changes -

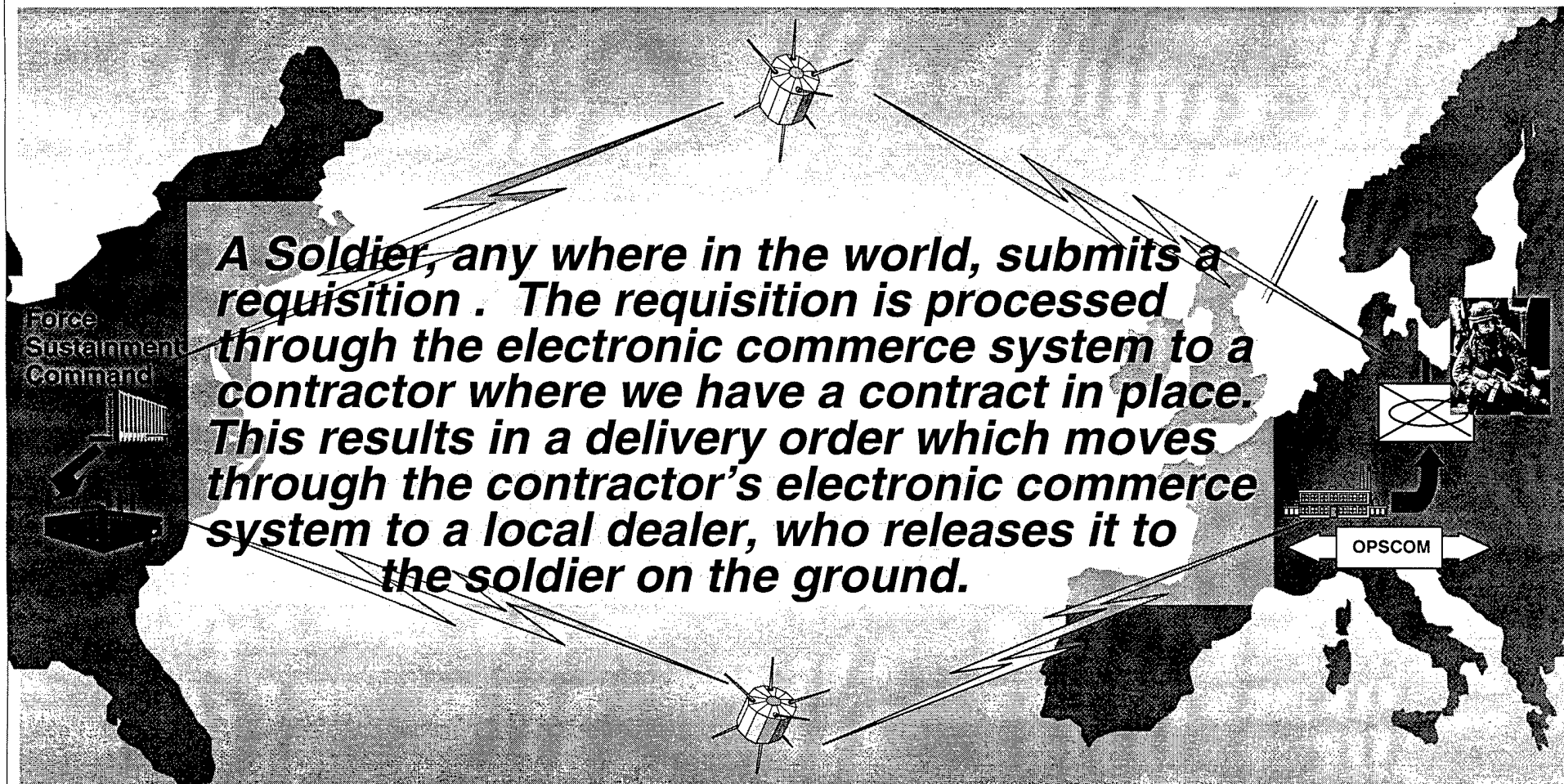
ARMY XXI

ARMY AFTER NEXT





SUSTAINMENT VISION



**DOABLE YES ... BUT HAVE TO SOLVE
FINANCIAL SYSTEM INTERFACE TO SUPPORT IT**

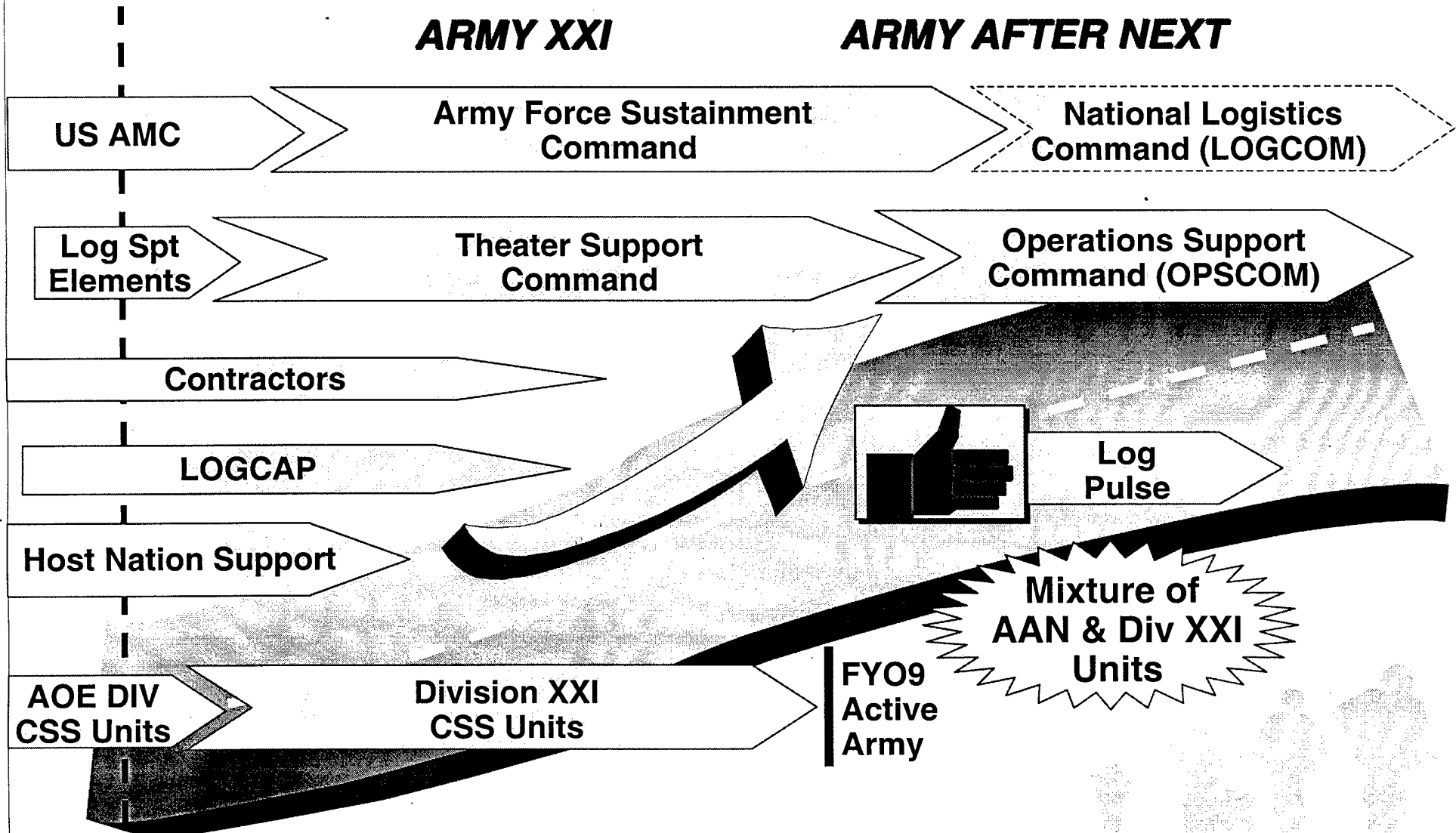
SUPPORTING SOLDIERS



THE ROAD AHEAD TO AAN - Organizational Changes -

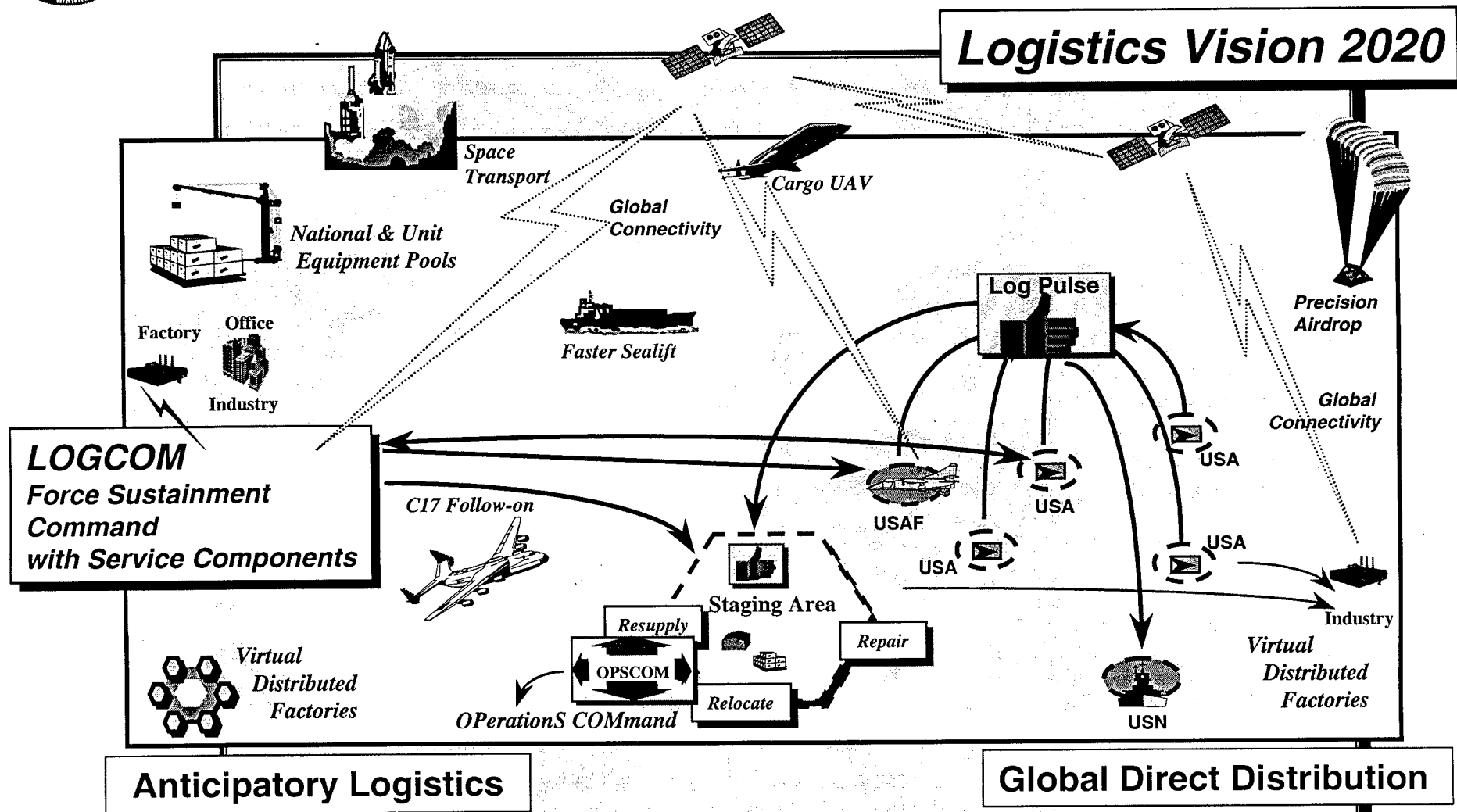
ARMY XXI

ARMY AFTER NEXT



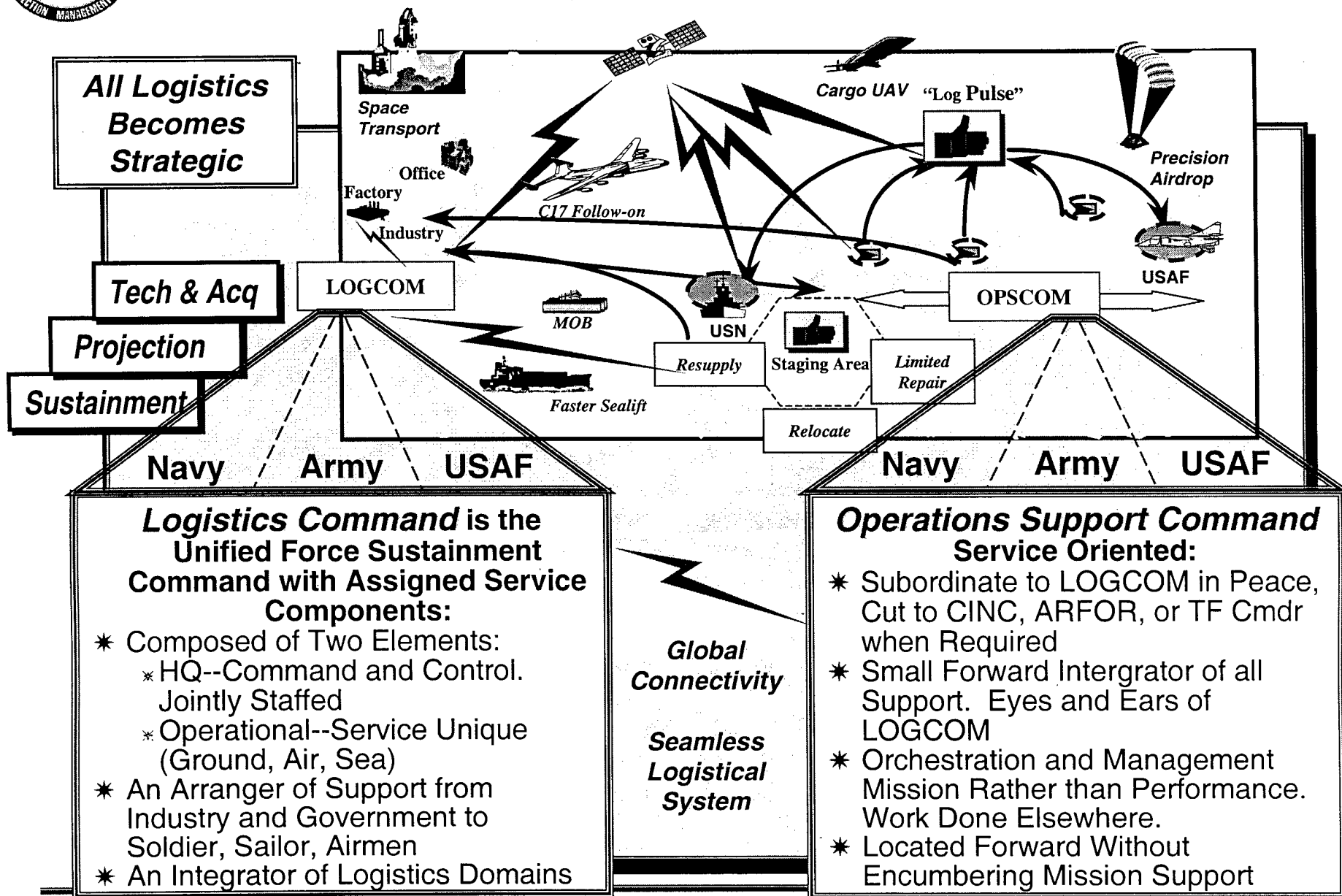


GLOBAL STRATEGIC OPERATIONS





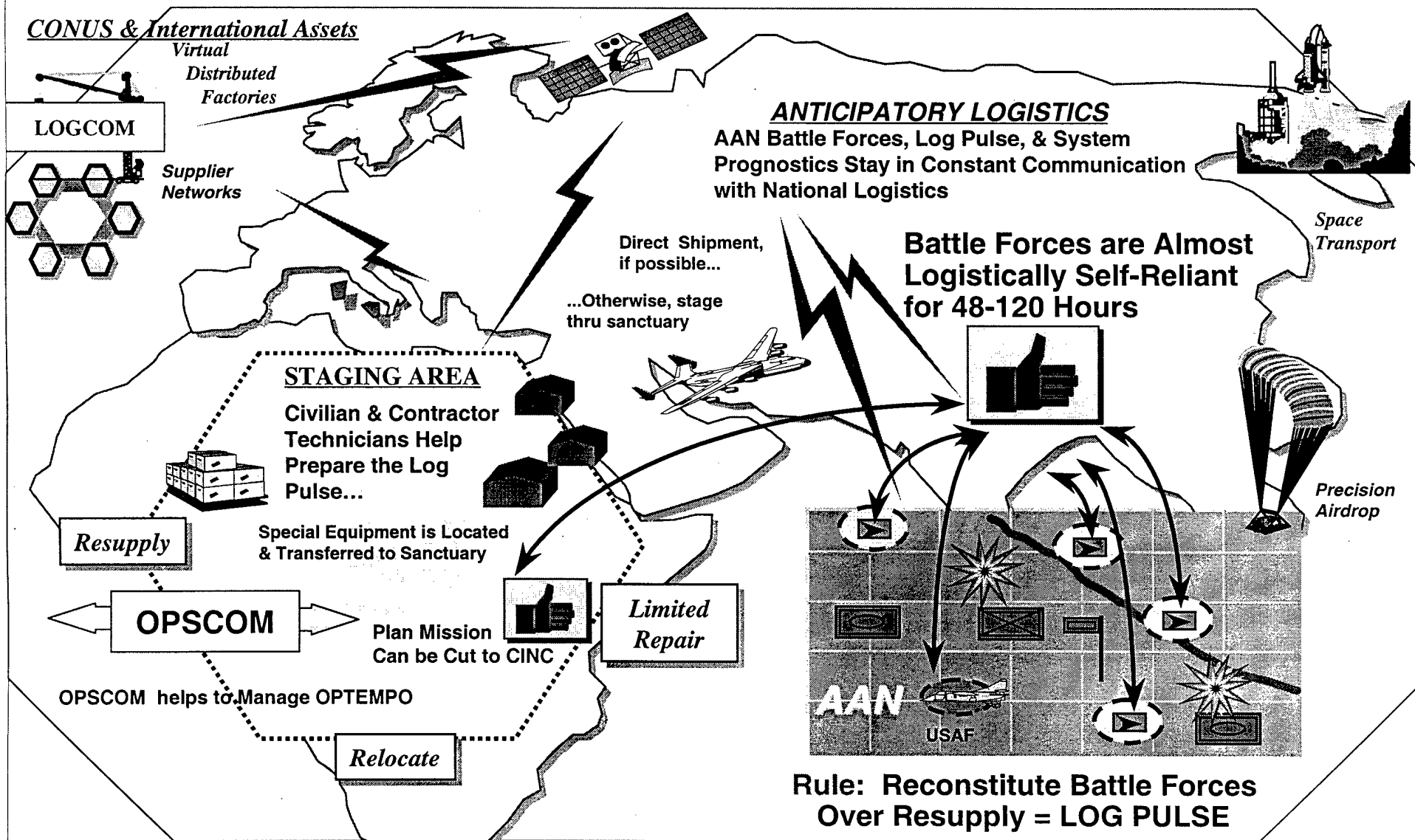
LOGISTICS ORGANIZATIONS





COMBAT & LOGISTICS INTEGRATION

- LOG Pulse -





THE ROAD AHEAD TO AAN

- Systems Changes -

ARMY XXI

ARMY AFTER NEXT

CSSCS

Global Combat Support
System- Army (GCSS-A)

TC
ACCIS

TC AIMS II

ATAV

JTAV

**SINGLE
LOGISTICS
& INFORMATION
SYSTEM**

- Part of the Warfighter Information

AI Enhanced, Semi-Automatic
Linked to Single Stock Fund
& Integrated Financial System

- Seamless
- Transparent to User or Supplier with connectivity to coalition partnering

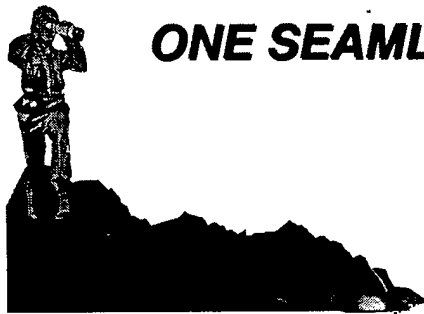
**GLOBAL
TOTAL ASSET
VISIBILITY**

- Complete Log/Ops Integration
- From Factory to Foxhole
- Real Time Situational Awareness

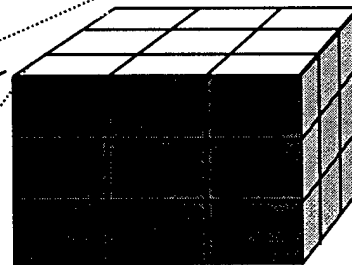
SUPPORTING SOLDIERS



SINGLE LOGISTICS SYSTEM & INFORMATION TECHNOLOGY



ONE SEAMLESS LOG and INFO SYSTEM... regardless of the perspective.



Industry View

 DIGITAL SPECS	 VIRTUAL SUPPLIER NETS	 ELECTRONIC COMMERCE
 FLEXIBLE MANUFACTURING	 DISTRIBUTED FACTORIES	 Global Supplier Maintenance
 COMMERCIAL ENTERPRISE SYSTEM	 NATIONAL & UNIT EQUIPMENT POOLS	 Customer Line of Sight

Log Community View

 OPERATIONAL SCENARIOS	 MONEY MGMT	 ANTICIPATORY LOG
 Super Widget 06-4443-56-4567 50K gross Schmedlap Indus. \$15 M Due Wed	 GLOBAL MATERIEL LOCATION	 Scenario 102
 GO2 ELECTRONIC COMMERCE	 GLOBAL MATERIEL LOCATION	 CRITICAL ITEM STATUS
 RF Tags	 TELE-CONFERENCE	 REQUIREMENTS MGT

Warrior View

 PRECISION PALLETS	 PROGNOSTIC DATA FEEDS	 TOTAL SYSTEM SUPPORT
 READINESS PROJECTIONS	 GLOBAL SPLIT OPNS	 Forward Projected Distribution
 PLS + MTS	 GLOBAL ASSURED COMMO	 STRATEGIC MOBILITY

Integrated Readiness Management, Log Intervention, Coordination, Distribution, & Financial Control

SUPPORTING SOLDIERS

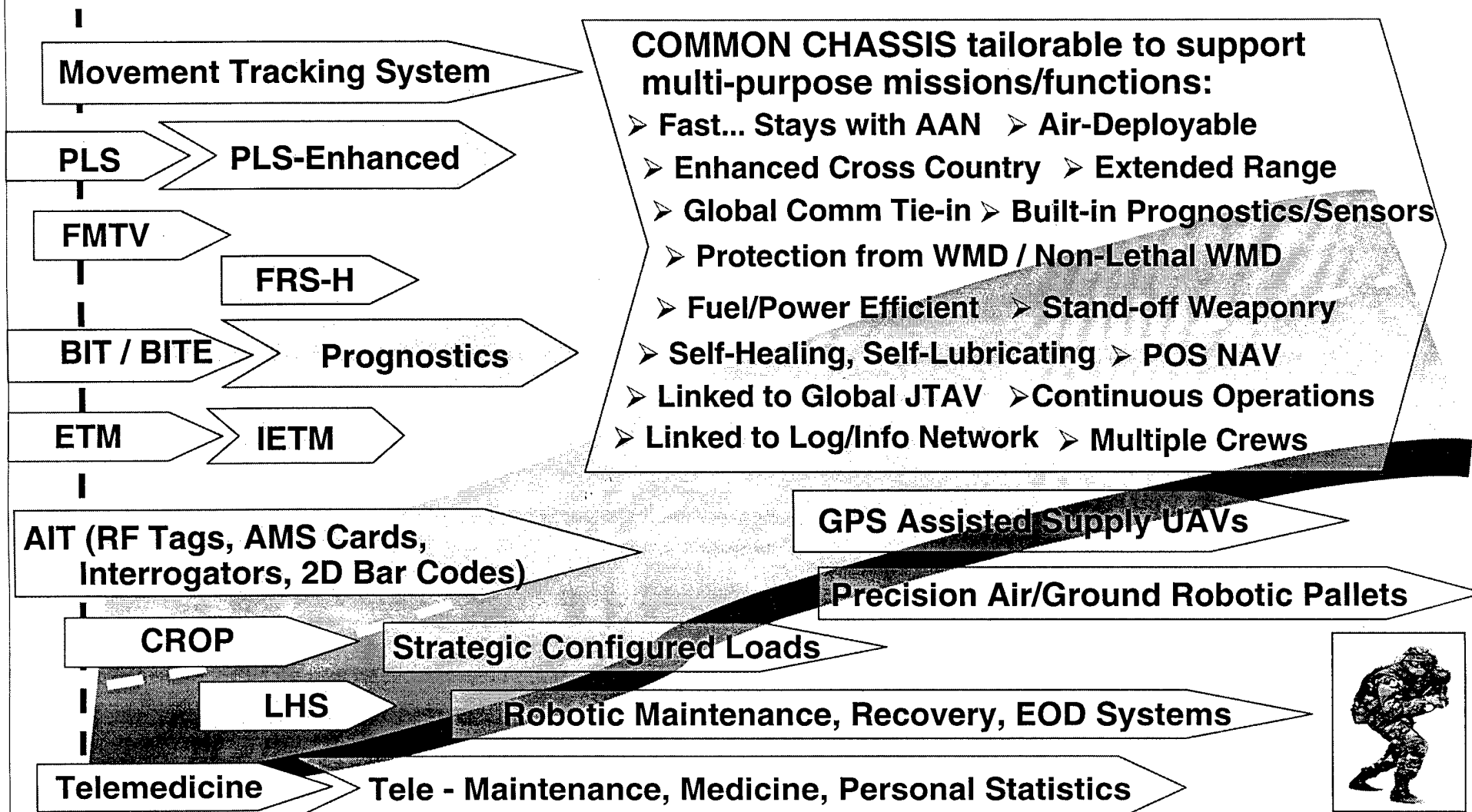


THE ROAD AHEAD TO AAN

- Hardware Enablers -

ARMY XXI

ARMY AFTER NEXT





LOGISTICS TECHNOLOGY

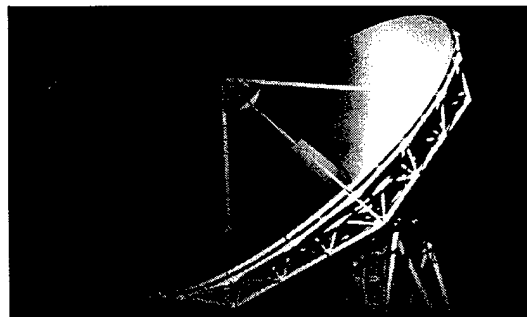
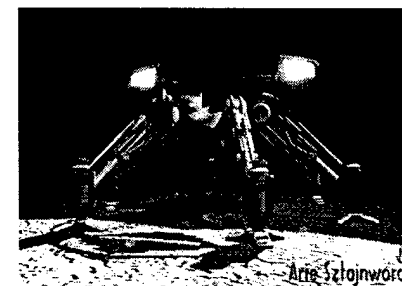
- STRATEGIC RESEARCH AREAS -

Biomimetics - *Novel synthetic materials, processes, sensors that mimic design principles found in nature.*



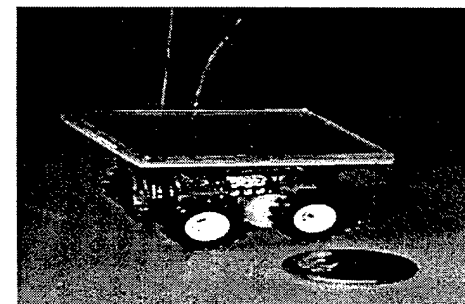
Smart Structures - *Complex, multi-element, deformable structures used in land, sea, aerospace vehicles and systems.*

Intelligent Systems - *Advanced systems able to sense, analyze, learn, adapt, and function effectively in changing, hostile environments until completing assigned missions/functions.*



Mobile Wireless Communications - *Fundamental advances enabling rapid, secure transmission of large quantities of multimedia info from point to point, broadcast and multicast over distributed networks for heterogeneous C3I systems.*

Nanoscience - *Innovative, enhancements in properties and performance of structures, materials, devices that have controllable features on the nanometer scale--tens of angstroms or assembleable atom by atom.*



Compact Power Sources - *Significant improvements in density, operating temperature, reliability, and safety of power.*



AAN TECHNOLOGY EMPHASIS

AUTOMATION / COMMUNICATIONS

(Seamless System, Real Time, Complete, Untethered)

Broad Band Commo - - Mobile, Wireless
AI, Sentinels, Intelligent (Neural)
Networks, Natural Language

MOBILITY / DISTRIBUTION

(Power Projection Speed)

Composites, Biomimetics,
Nanotechnology (Lighter
platforms), Embedded Sensors,
All-Knowing "Infobots", Precision
Air Delivery, GPS Assisted
Air/ Ground UAV / UGV (Robotics)

SYSTEM SUSTAINMENT

(Self Reporting, Continuous Status,
Reduced Consumption)

Ultra-reliability, Physics of Failure,
Prognostics via Embedded Sensors
(Predictive Capabilities)
Smart Structures, Biomimetics,
Nanoscience (Self-Repair, Self-Lubricating)
Telemaintenance; Design for Discard

*Reduce
Logistics Demand
&
Increase Efficiency*



POWER & FUEL/ENERGY SOURCES

(Systems & Soldiers - Reduce Volume,
Biggest Class of Supply on Battlefield)
Hybrid Fuel Cells, Advanced
Propulsion Systems, Other Fuels
(Hydrogen, Nitrogen, Nuclear),
Microturbines

AMMUNITION

(Precision Reduces Volume,
Lowers Logistics Requirements)
Smarter Ammo, Insensitive
Munitions, Embedded Condition
Sensors, Composites ("Smart"
Lightweight Packaging)
Energetic Materials

SOLDIER SUSTAINMENT

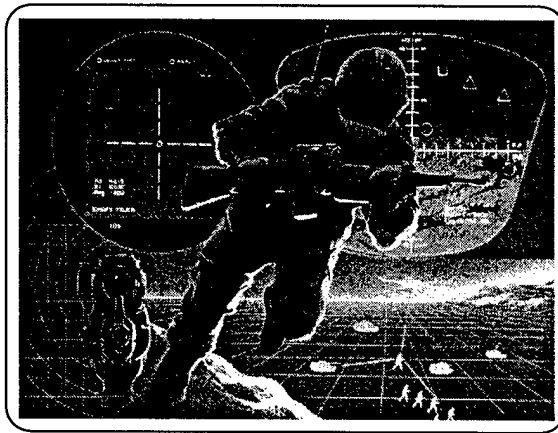
(Agile, Individual "Combat Centers")
Composites, Multi-Spectral Protective
& "Smart" Fabrics, Mission
Tailorable / Sensory Enhancing
Rations, Physiological & Mental
Health Sensors

SUPPORTING SOLDIERS



WHAT I WOULD LEAVE YOU WITH . . .

- ***Our ability to Project & Sustain Combat Power is what will keep us relevant as a Nation . . . and an ARMY***
- ***We will continue to exploit Technology . . . And the capabilities of the Information Age***
- ***Logistics becomes a greater Force Multiplier in the 21st Century Army***
- ***Implementing & Sustaining the RML are keys to Army XXI & AAN***



***"A Revolution in Military Logistics,
Leveraging Technology to Fuse
New Concepts, Information, and
Logistics Systems, Reshaping the
Way We Project and Sustain
America's Army in the 21st Century"***

LTG Coburn, DA DCSLOG

Distribution Based...

Seamlessly Connected...

with Agile Acquisition...

***Important Web Sites for More
information on the Revolution***

www.hqda.army.mil/logweb

<http://lia.army.mil>

amc.citi.net/index.shtml

www.cascom.army.mil



2025 FOCUS WILL STILL BE . . .

With the Right Stuff . . .

In the Right Place . . .

At the Right Time . . .



***SUPPORTING
SOLDIERS***